

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/014997

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F25D23/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F25D B67D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 971 213 A (LEE JAE-HEE) 26 October 1999 (1999-10-26)	1,3,5
Y	column 1, line 28 - line 53; figure 1	6,7,9
Y	US 5 862 952 A (LEE YONG-KWEON) 26 January 1999 (1999-01-26)	6,7
	column 1, line 49 - column 2, line 19; figure 1	
Y	US 5 359 795 A (MAWBY HAROLD S ET AL) 1 November 1994 (1994-11-01)	9
	column 3, line 58 - column 4, line 49	
X	US 2 512 395 A (SUNDBERG CARL W) 20 June 1950 (1950-06-20)	1,3,5
	the whole document	
A	US 5 683 015 A (LEE CHA-JUN) 4 November 1997 (1997-11-04)	

☐ Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

10 January 2005

Date of mailing of the international search report

20/01/2005

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			CN 1146004 A	26-03-1997
			JP 2655593 B2	24-09-1997
			JP 8226735 A	03-09-1996